TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:

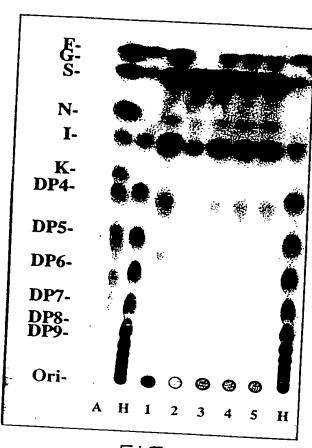


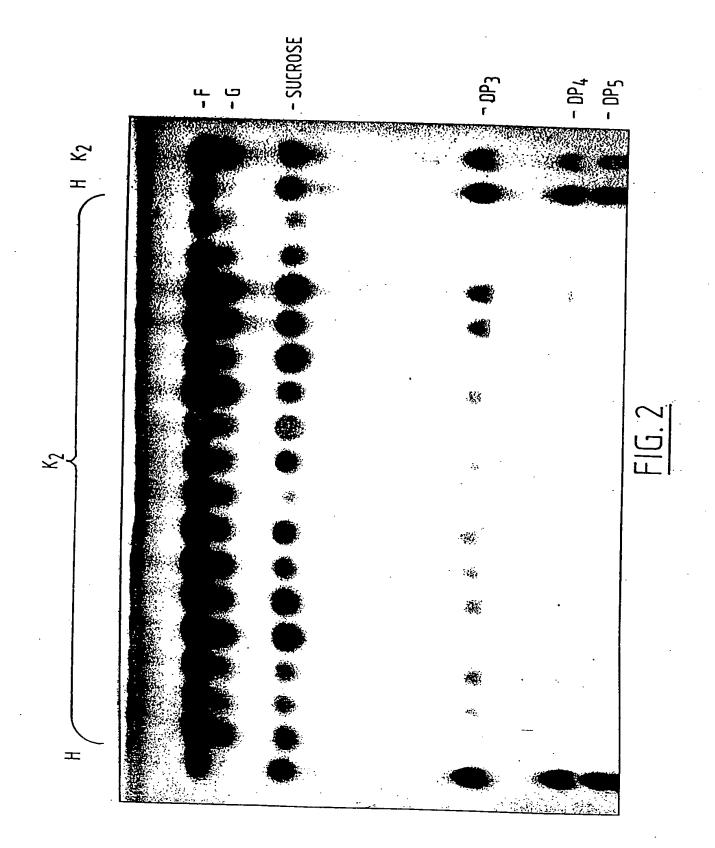
FIG.1

Title: PRODUCTION OF OLIGOSACCHARIDES IN TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:



TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:

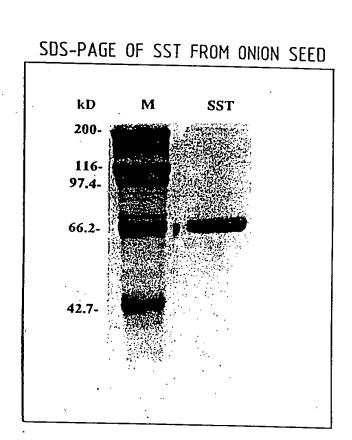


FIG. 3

Title: PRODUCTION OF OLIGOSACCHARIDES IN TRANSGENIC PLANTS

J.C.M. Smeekens et al. ARNO121867 Inventors:

Docket No.:

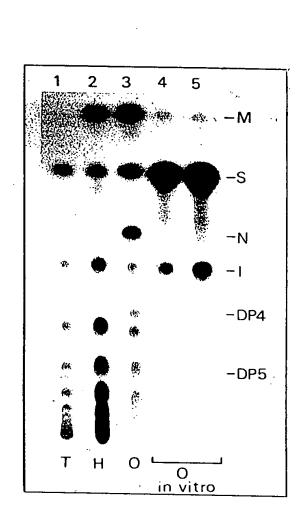


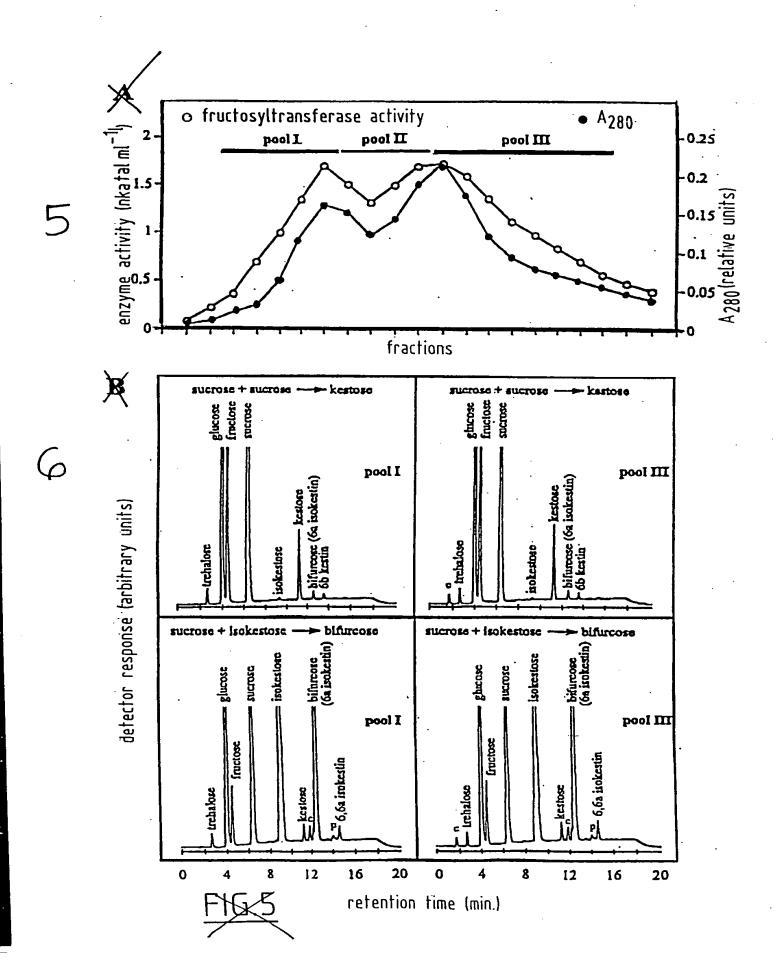
FIG. 4

TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

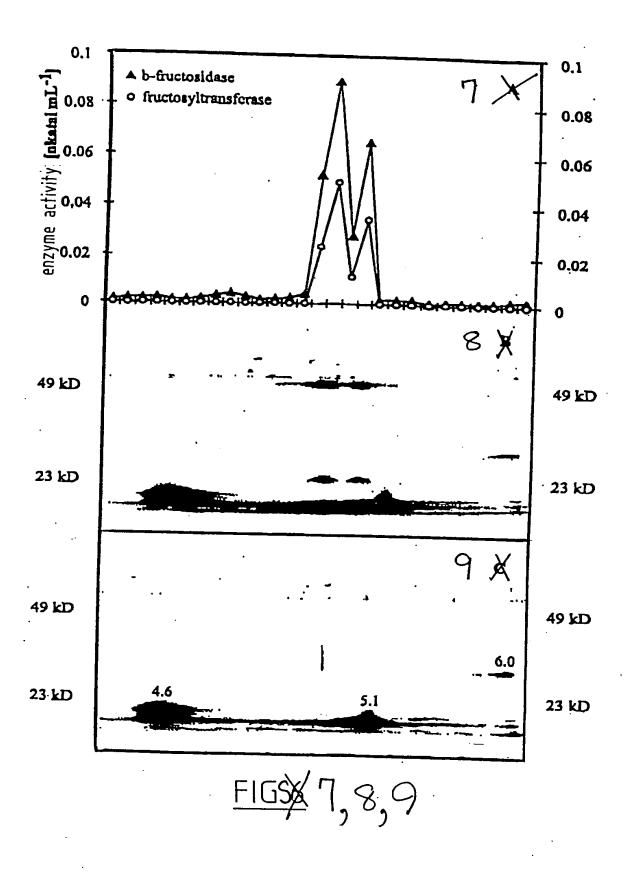
Docket No.:



TRANSGENIC PLANTS

Inventors: J.C.M. Smeekens et al.

Docket No.: ARNO121867

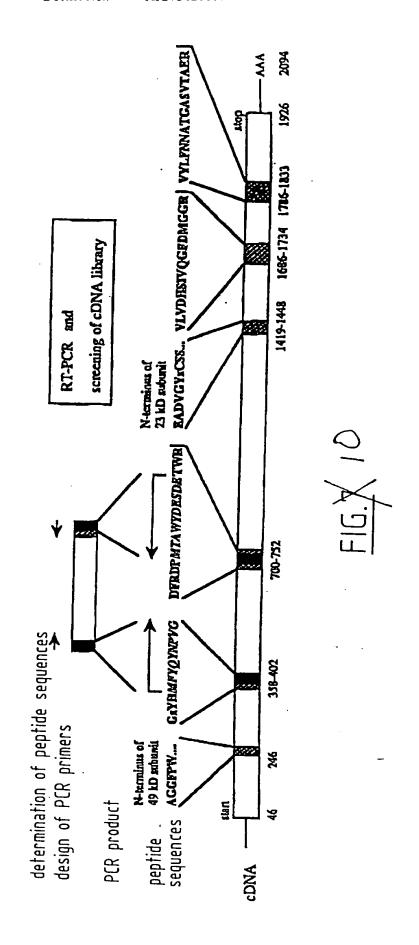


TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:



TRANSGENIC PLANTS

Inventors: J.C.M. Smeekens et al.

Docket No.: ARNO121867

## Sequence of cDNA encoding 6-SFT from barley

AAGCCACCGCTACCGTACGCCTACAAGCCGCTGCCCTCGGACGCCGACGGTAAGCGG LysProProLeuProTyrAlaTyrLysProLeuProSeraspalaalaAspGlyLysArg

GTGGTGGTCGCGCGCCACGCTCCTGGCGGGATTGAGGATGGAGCAGGCGGTCGACGAGGAG ValValValGlyAlaThrLeuLeuAlaGlyLeuArgMetGluGlnAlaValAspGluGlu

GCGGCGGCGGCGGGTTCCCGTGGAGCAACGAGATGCTGCAGTGGCAGCGGTTACALAAlaGlyGlyPheProTrpSerAsnGluMetLeuGlnTrpGlnArgserGlyTyr

CATTTCCAGACGGCCAAGAACTACATGAGCGATCCCAACGGCCTGATGTATTACCGTGGA HisPhaGlnThrAlaLysAsnTyrMetSerAspProAsnGlyLeuMetTyrTyrArgGly

TGGTACCACATGTTCTACCAGTACAACCCGGTGGGCACCGACTGGGACGGCATGGAG TxpTyrHisMetPheTyrGlnTyrAsnProvalGlyThrAspTrpAspAspGlyMetGlu

GGGACGGTCATCATGATCTACACGGGCGCCACCAACGCCTCCGCCGTGGAGGTCCAGTGCGIyThrVallleMetileTyrThrGlyAlaThrAsnAlaSerAlaValGluValGlnCys

ATCGCCACCCGGCCGACCCCAACGACCCCCCCCCCGCGGGGGACCAAGCACCCCGCCIleAlaThrProAlaAspProAsnAspProLeuLeuArgArgTrpThrLysHisProAla

GCCTGGTACGACGAGTCCGACGAGACATGGCGCACCCTCCTCGGGTCCAAGGACGACCACACACTTPTYrAspGluSerAspGluThrTrpArgThrLeuLeuGlySerLysAspAspAis

GACGGCCACGACGGCATCGCCATGATGTACAAGACCAAGGACTTCCTCAACTACGAGAEPGlyHisHisAspGlyIleAlaMetMetTyrLysThrLysAspPheLeuAsnTyrGlu

CTCATCCCGGGCATCTTGCACCGGGTGGTGCACCGGCGAGTGGGAGTGCATCGACTTCLeulleProGlylleLeuHisArgValValArgThrGlyGluTrpGluCysIleAspPha

TACCCCGTCGGCCGGAGAAGCAGCGACAACTCGTCGGAGATGCTGCACGTGTTGAAGGCG TyrProValGlyArgArgSerSerAspAsnSerSerGluMetLeuHisValLeuLysAla

AGCATGGACGAACGGCACGACTACTACTCGCTGGGCACGTACGACTCGGCGGCCAAC SerMetAspAspGluArgHisAspTyrTyrSerLeuGlyThrTyrAspSerAlsAlsAsn

AAGTTTTATGCGTCCACCTCCTTCTATGATCCGGCCAAGAACCGGCGCGTGCTCATGGGG LysPheTyrAlaSerThrSerPheTyrAspProAlaLysAsnArgArgValLeuMetGly

TACGTCGGCGAGGTCGACTCCAAGCGGGCTGATGTCGTCAAGGGATGGGCTTCCATTCAG
TyrValGlyGluValAspSerLysArgAlaAspValValLysGlyTrpAlaSerIleGln

TCAGTTCCTAGGACGGTGGCTCTGGATGAGAAGACCCGGACGAACCTCCTGCTCTGGCCC SerValProArgThrValAlaLeuAspGluLysThrArgThrAsnLeuLeuLeuTrpPro

GTTGAGGAGATCGAGACCCTCCGCCTCAATGCCACGGAACTGACCGACGTTACCATTAAC

FIG. 8 11

TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:

ARNO121867

ValGluGluIleGluThrLeuArgieuAsnAlaThrGluLeuThrAspVaTThrIleAsn

ACTGGCTCCGTCATCCATATCCCGCTCCGCCAAGGCACTCACGCTCGACATGCGGAGGCCThrGly6erVallleHisIleProLeuArgGlnGlyThrHisAlaArgHisAlaGluAla

TCTTTCCACCTTGATGCTTCCGCCGTGGCTGCCCTCAACGAGGCCGATGTGGGCTACAAC SerPheHisLeuAspAlaSerAlaValAlaAlaLeuAsnGluAlaAspValGlyTyrAsn

TGCAGTAGCAGCGGCGCGCTGTTAACCGCGGCGCGCTAGGCCCCTTCGGCCTCCTCGTCCCYSSarsarsarGlyGlyAlaValAsnArgGlyAlaLeuGlyProPhaGlyLeuLeuVal

CTCGCCGCCGTGACCGCCGTGGCGAGCAAACGGCGGTCTACTTCTACGTGTCTAGGGGC LaualaalaglyaapargargGlyGluGlnThrAlaValTyrPheTyrValserArgGly

CTTGACGGAGGCCTCCACACCAGCTTCTGCCAAGATGAGCTGAGATCGTCACGAGCCAAG LeuAspGlyGlyLeuHisThrSerPheCysGlnAspGluLeuArgSerSerArgAlaLys

GATGTGACCAAGCGTGTCATCGGGAGCACGGTGCCGGTGCCGGTGAGGCTTTGTCA AspValThrLysArgVallleGlySerThrValProValLeuAspGlyGluAlaLeuSer

ATGAGGGTGCTCGTGGATCACTCCATCGTGCAGGGCTTCGACATGGGCGGGAGGACCACG MetargvalleuvalaspHisserllevalGlnGlyPheAspMetGlyGlyArgThrThr

ATGACCTCGCGGGTGTACCCGATGGAGTCGTATCAGGAGGCAAGAGTCTACTTGTTCAAC MethrserargvaltyrprometGlusartyrGlnglualaargvaltyrLauphaasn

CACAACCAGCTCTCCAATGAGGACGATGGCATGTATCTTCATCAAGTTCTTGAATCTCGT HisAsnGlnLeuSerAsnGluAspAspGlyMetTyrLeuHisGlnValLeuGluSerArg

FIG. (CONTINUED)

Title: PRODUCTION OF OLIGOSACCHARIDES IN Title: PRODUCTION OF CENTRANSGENIC PLANTS
Inventors: J.C.M. Smeekens et al.
Docket No.: ARNO121867

143 353	DWGK. FYAStsF	DYGi. FYASKtF	DYGi.YYASktF	DYCK. YYASKt F	TWGn. PYASKEP		TVChDPVAnOem	Diglecincon	works word		PACTOR TOWN TO PE	PERCONAL OFF	DIGNOFTACOLF	DeGfseYAaagk	מיזיין שוניין מ	M. Service Service	TO SOLUTION OF THE PARTY OF THE	DOVELLGE VS. C.		
280 290	eWBC1DFyPVg	MAECADEFPVS	MINISCADENPAS	MMECVDPyPVS	MARCPHEFFUS		MARCPURBAC	MiscPolvfI.	4 Perbud Byte	מוסע זומטענייי	OVERTICAL DE	CANADA AND	oxomer Lieve	tWagrwaRNfe	regardant	A. I Checkangh	MYDT CALLANDA	Fudantasa.	San Livenda	•
220 229	DFRDPmTAWY	DPRDPTTANI	DFRIDETTANE	DFROPTTANE	aFROPTTAW1	<b>GENUPTYSMI</b>	hFRDPK.	hraneq I	DERMPRUSED	DPROPRVPAV	DPR DPACVEMEN	OPTIDEXVES	QERIDERVEWD	ak MORYVEgn	TTENDER OF	L'ENDH	AMBITON AT	DERDEHV, FT		
157 164	1SOSMIVE	WEGSATIL	WEGBATIL	WEGBATIL	rSGRATIL	WEGSATIL	. FSGSA. VD	ySG&A.ye	PSGEAVVD	FSGSAWD	. FSGGmVID	VSG8mVTD	FSGSIVVD	avedog.vI.	DEWSGRATE.	OEMS CREAT	OEWSOSATV.	ENSCetim.		
125 132	MEMCHAVS	IVWGHAVS	IVMCHAVS	LEVIGRAVS	IVWarsvs	IVNGHAVS	MAWGHALS	kswintes	MANGERAVS	MANGHAVS	LYMCHAVS	LFWGRALS	LYMCHALS	saAtt	MEYakvGd	ME Yorkwee	LlYnkyGd	YFYSIGGS		
. 86	HFQtakny.Medfinglmy:.Yrgyyndfyqynp	HPOPEKNW. MADPRICANY YKGWYHEPYQYNP	HPQFnqfw, mmumazolv bychme sychne	•			HLaPpagw.MDENGLiYFNGrYBaFFQhhP	HiePktGl.LMDPMGfsYFMGKfnLFYQnwP	Bysphow. Manpaglyy Fedeyhlfychtp	HysPEIONW. MIDFINGHOY YAGEYELFYQYhP	HFt PshGW. MEDPHGL-YDakeedWELYYQYNP	HFT PshGW. MICHEMICLAYDakeGKMILYFQYNP	HPL PEXCW. MIDPHILL YDX LAKIMILYPOYNP	AvlPpnGq.igDeclMytDpstGlfHvgFlhdG	gldWnDsWPLqnad.gtvaeYmG.YHvvFalaG	gldWWDsWPLqmad.gtvanYbG.ymivFalaG	dLdVWDsWPvqDaktgevinWRG.YqLvvarmG	VMDtWPLrDiM.gqvvsPqG.WsviPalva		!
:	H.V. 6stt	V.r. Inv	Lo. The	יים: דוו		A.s. Inv	R.c. Inv	S.m. Scrb	B.p. Lela		K.B. Inu	S.c. Invl	S.D. Inv	A.n. Inv	B.a. SacB	B.s. SacB	S.m. SacB	Z.m. LevU		

P

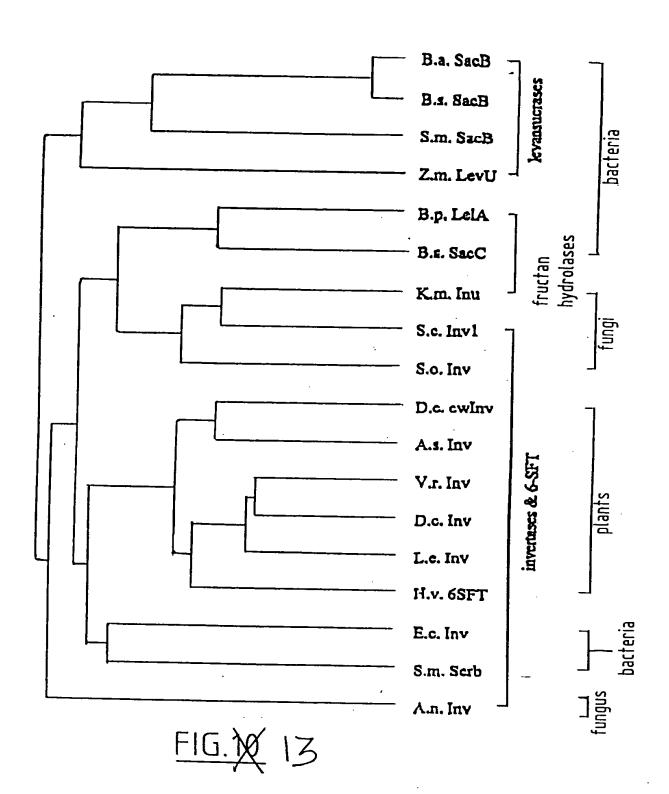
H

TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:

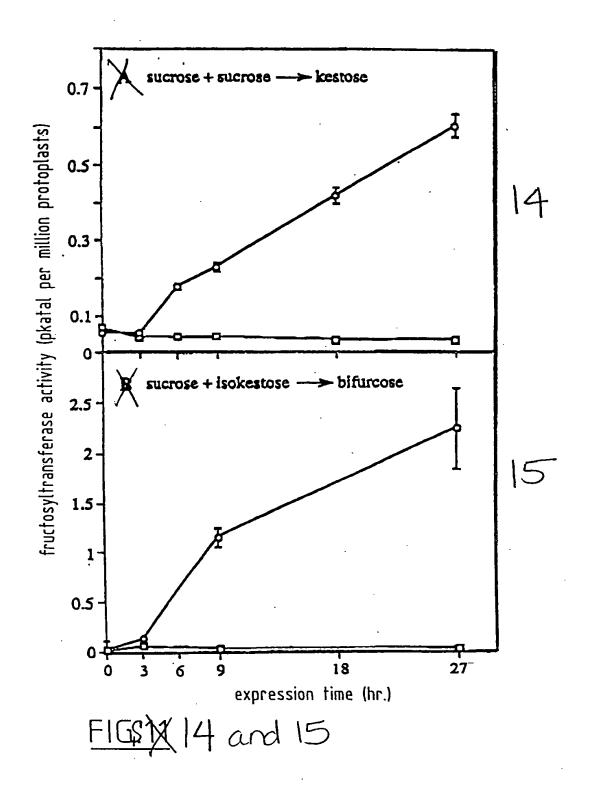


TRANSGENIC PLANTS

Inventors:

J.C.M. Smeekens et al.

Docket No.:



TRANSGENIC PLANTS

Inventors: J.C.M. Smeekens et al.

Docket No.: ARNO121867

## IEF (Helianthus tuberosus FFT)

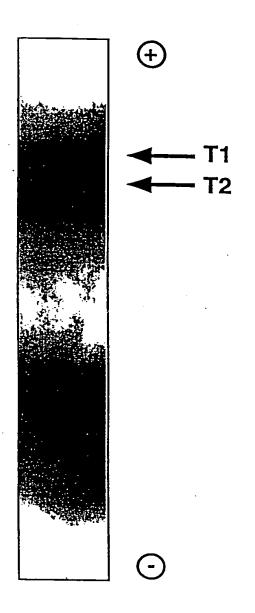
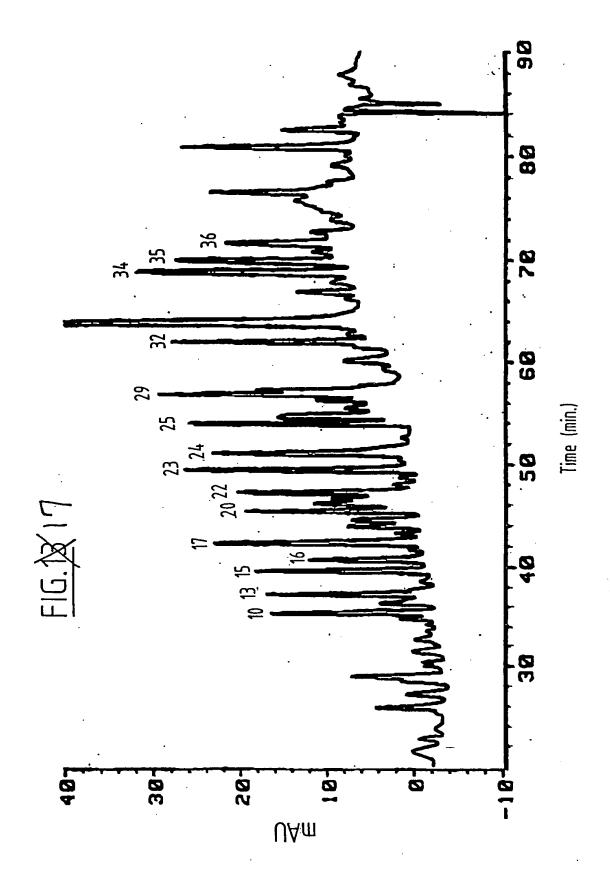


FIG. 🔀 16

Title: PRODUCTION OF OLIGOSACCHARIDES IN TRANSGENIC PLANTS
Inventors: J.C.M. Smeekens et al.

Docket No.: ARNO121867



Title: PRODUCTION OF OLIGOSACCHARIDES IN TRANSGENIC PLANTS
Inventors: J.C.M. Smeekens et al.
Docket No.: ARNO121867

